

**2007 Daily Values**

**MERAMEC RIVER AT ARNOLD, MO (MEAR/MR AR)**

**Location:** LAT. 38-27-24, LONG. 90-21-38, T. 43 N., R. 6 E., AT THE ST. LOUIS JEFFERSON COUNTY LINE, ON US ROUT 61-67, ON DOWNSTREAM SIDE OF CENTER PIER AT MILE 6.0.

**Gage:** SERVO-MANOMETER WITH DATA LOGGER TELEMETRY. OWNED AND OPERATED BY ST. LOUIS DISTRICT, CORPS OF ENGINEERS. MAINTAINED IN COOPERATION WITH THE U.S. GEOLOGICAL SURVEY.

**General Information:** DRAINAGE AREA, 3930 SQUARE MILES. FLOOD STAGE, 24.0 FEET.

**Records Available:** STAGE, 1983 TO DATE, IN FILES OF THE CORP OF ENGINEERS. ADDITIONAL DATA IN FILES OF THE NATIONAL WEATHER SERVICE.

**Mean Stage:** PERIOD OF RECORD, 12.53 FT .

**Extreme Stage:** PERIOD OF RECORD, DAILY HIGH OF 45.30 FT ON 01 AUG 1993 & PERIOD OF RECORD, DAILY LOW OF 0.90 FT OCCURRING ON MULTIPLE DATES WITH THE MOST RECENT ON 20 APR 1996 .

**Zero Gage Datum:** 373.21 ft NGVD. NOTE: ADD DATUM TO STAGE TO OBTAIN ELEVATION.

ALL VALUES RECORDED AT 8AM. STAGE IN FT:

Day	Month											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	7.50	8.05	14.76	19.62	22.50	16.01						
2	7.39	7.87	14.14	19.99	22.45	16.31						
3	7.56	7.73	16.07	20.06	22.12	17.64						
4	7.51	7.60	17.32	20.42	22.29	17.64						
5	7.57	7.48	15.88	21.08	22.75	18.88						
6	7.50	7.38	13.94	21.49	22.38	18.79						
7	7.50	7.44	12.58	21.25	21.39	17.11						
8	7.60	7.29	11.11	20.62	20.37	15.82						
9	7.54	7.22	8.96	20.13	21.88	15.09						
10	7.41	7.15	8.79	19.60	24.95	14.67						
11	7.31	7.12	8.25	19.34	26.32	14.75						
12	7.24	7.08	8.34	19.47	26.56	14.85						
13	9.54	7.21	9.32	19.71	26.46							
14	12.58	7.48	11.17	19.87	26.24							
15	15.52	8.67	11.26	20.96	26.01							
16	18.32	9.26	11.68	22.97	25.83							
17	18.38	9.13	13.15	23.67	25.10							
18	15.93	8.70	14.14	22.40	23.93							
19	12.09	8.35	14.76	21.55	22.18							
20	10.58	8.27	15.40	20.79	20.61							
21	9.89	8.29	15.74	19.78	19.02							
22	9.47	8.09	15.99	18.82	17.20							
23	9.32	7.93	16.63	18.11	15.92							
24	9.51	7.82	17.18	17.30	15.11							
25	9.85	9.69	17.52	16.44	14.07							
26	9.54	14.10	17.46	15.57	13.78							
27	9.26	15.63	17.83	15.47	13.64							
28	8.99	15.85	18.05	16.67	13.92							
29	8.68	----	18.06	19.89	15.85							
30	8.44	----	18.10	21.94	16.96							
31	8.22	----	18.61	----	16.58	----			----		----	
The following statistics are based on observations occurring in 2007 only.												
Mean	9.80	8.71	14.26	19.83	20.79	16.46						
Max	18.38	15.85	18.61	23.67	26.56	18.88						
Min	7.24	7.08	8.25	15.47	13.64	14.67						
Day	31	28	31	30	31	12	0	0	0	0	0	0

The Mean STAGE for the Year was: 14.89  
The Highest STAGE for the Year was: 26.56 which occurred on: 05-12-2007  
The Lowest STAGE for the Year was: 7.08 which occurred on: 02-12-2007  
The Total Number of Days for the Year was: 163

NOTICE: All data contained herein is preliminary in nature and therefore subject to change. The data is for general information purposes ONLY and SHALL NOT be used in technical applications such as, but not limited to, studies or designs. All critical data should be obtained from and verified by the United States Army Corps of Engineers. The United States Government assumes no liability for the completeness or accuracy of the data contained herein and any use of such data inconsistent with this disclaimer shall be solely at the risk of the user.